

Abstract

1       A system detects an incoming telephone call and routes the ring signal to a  
2   loudspeaker so that it can be heard at a distance from the telephony device. Once  
3   the incoming call has been acknowledged the incoming signal is routed to the  
4   headset. New incoming calls are identified by verifying the presence of unique  
5   characteristics that are found only in incoming calls. In a conventional telephone  
6   the unique characteristic can be a combination of frequencies which are part of the  
7   ring signal. The frequencies can be verified by using a bandpass filter which allows  
8   only frequencies centered around the ring frequency to pass. Therefore, if a signal  
9   of correct frequency is present it will pass through the bandpass filter and activate  
10   a switch that routes the signal to the loudspeaker.